

In The Claims

Please amend the claims as reflected in the following listing.

Claims 1-116 (cancelled).

Claim 117 (previously presented): A method of automatically identifying a handheld device using a unique identification number comprising the steps of:

storing said unique identification number in a memory of said handheld device;

retrieving said unique identification number from said memory of said handheld device, when logging into a web site; and

permitting user access, via said handheld device, to an area of said web site in response to said unique identification number retrieved from said memory of said handheld device.

Claim 118 (previously presented): The method of claim 117, wherein said area accessed comprises golf course data available for downloading based on a purchase or a subscription associated with said unique identification number.

Claim 119 (previously presented): The method of claim 117, wherein said area accessed comprises golf course information previously recorded and uploaded to said web site by a user.

Claim 120 (previously presented): The method of claim 117, wherein said area accessed comprises at least one folder area containing course information downloadable to said handheld device.

Claim 121 (previously presented): The method of claim 117, wherein said area accessed comprises user preferred settings for said handheld device.

Claim 122 (previously presented): The method of claim 118, wherein golf course data to be downloaded is encrypted using a key for said unique identification number based on a static key.

Claim 123 (previously presented): The method of claim 118, wherein golf course data to be downloaded is encrypted using a key for said unique identification number based on a rotating key.

Claim 124 (previously presented): The method of claim 117, wherein one or more screens associated with said unique identification number are displayed on said handheld device.

Claim 125 (previously presented): The method of claim 124, wherein said one or more displayed screens comprise one or more advertising screens associated with a group of unique identification numbers.

Claim 126 (previously presented): The method of claim 124, wherein said one or more displayed screens comprise a sponsor screen associated with a groups of unique identification number.

Claim 127 (previously presented): The method of claim 124, wherein said one or more displayed screens comprise a personal startup screen corresponding to said unique identification number.

Claim 128 (previously presented): The method of claim 117, wherein at least one security protocol is invoked based on said unique identification number.

Claim 129 (previously presented): The method of claim 128, where said security protocol invoke disables or reduces a functionality of the handheld device.

Claim 130 (previously presented): The method of claim 117, further comprising the step of automatically updating a current application software on said handheld device based on said handheld device reporting, upon connection to said web site, said current application software version running on said handheld device, and said web site downloading a selected application software update from a file storage area on said web site.

Claim 131 (previously presented): The method of claim 130, wherein said application software update is associated with said unique identification number of said handheld device.

Claim 132 (previously presented): The method of claim 130, wherein said application software update is associated with a group of unique identification numbers.

Claim 133 (previously presented): The method of claim 117, whereby updated real-time data residing in a web site server database is streamed to said handheld device or a group of handheld devices.

Claim 134 (previously presented): The method of claim 117 whereby data is streamed in real-time from said handheld device to said web site and associated with said unique identification number of said handheld device.

Claim 135 (currently amended): An integrated handheld apparatus for measuring and displaying distances between a golfer and an object on a golf course comprising:

a computing device;

a GPS device connected to said computing device;

an apparatus display connected to said computing device;

said GPS device adapted to produce measured location information corresponding to a location of said GPS device independent of golf course infrastructure;

means, within said handheld apparatus, for modifying said measured location information to account for changes in environmental conditions to obtain corrected location information;

means, within said handheld apparatus, for determining a distance, independent of said golf course infrastructure, between said GPS device and said object by using said corrected location information and previously stored information concerning the location of said object;
and

~~The handheld apparatus of claim 87, further comprising a means for determining an accuracy potential percentage of said distance;~~

wherein said integrated handheld computing device is adapted to selectively display said distance on said apparatus display.

Claim 136 (cancelled).

Claim 137 (currently amended): An integrated handheld apparatus for measuring and displaying distances between a golfer and an object on a golf course comprising:

a computing device;

a GPS device connected to said computing device;

an apparatus display connected to said computing device;

said GPS device adapted to produce measured location information corresponding to a location of said GPS device independent of golf course infrastructure;

means, within said handheld apparatus, for modifying said measured location information to account for changes in environmental conditions to obtain corrected location information;

means, within said handheld apparatus, for determining a distance, independent of said golf course infrastructure, between said GPS device and said object by using said corrected location information and previously stored information concerning the location of said object;
and

~~The handheld apparatus of claim 87, further comprising a means for displaying pace of play of a golfer relative to a predetermined normal pace of play~~

wherein said integrated handheld computing device is adapted to selectively display said distance on said apparatus display.

Claims 138-140 (cancelled).

Claim 141 (currently amended): A method for measuring the distance between points on a golf course, independently of golf course infrastructure, using an integrated handheld apparatus having a computing device and a GPS device, the method comprising the steps of:

storing location values for multiple golf course targets on said integrated handheld device based on GPS measurements taken on a first date using said GPS device;

generating, using said computing device, corrected location values, using said handheld device, based on a difference in environmental conditions on said first date and a second date;

on said second date, obtaining location information concerning a desired point using said GPS device; and

computing, independent of said golf course infrastructure, the distance between said desired point and one of said multiple targets using said corrected location values and said location information concerning said desired point using said computing device;

~~The method of claim 103~~ wherein tunable GPS parameters are used to obtain said GPS measurements.

Claim 142 (cancelled).

Claim 143 (previously presented): A method of collecting golf course related data independently of golf course infrastructure, comprising the steps of:

surveying a plurality of golf course related objects using an integrated handheld device having an interconnected computing device, a GPS device, a device display means and a stored unique identification number;

storing data for said surveyed objects on said integrated handheld apparatus;

accessing a web site using said handheld device and said unique identification number;

uploading and storing said data to a database associated with said web site; and

formatting said uploaded data for subsequent downloading by at least one authorized user accessing said web site.

Claim 144 (previously presented): The method of claim 143, further comprising the step of:

enabling authorized access to said web site to at least one user via an integrated handheld device having a unique identification number; and

downloading user selected data for a selected desired golf course from said database to said integrated handheld device.

Claim 145 (currently amended): An integrated handheld apparatus for measuring and displaying distances between a golfer and an object on a golf course comprising:

a computing device;

a GPS device connected to said computing device;

an apparatus display connected to said computing device;

said GPS device adapted to produce measured location information corresponding to a location of said GPS device independent of golf course infrastructure;

means, within said handheld apparatus, for modifying said measured location information to account for changes in environmental conditions to obtain corrected location information;

means, within said handheld apparatus, for determining a distance, independent of said golf course infrastructure, between said GPS device and said object by using said corrected location information and previously stored information concerning the location of said object;
and

~~The apparatus of claim 87~~ wherein a representation of said object is displayed on said apparatus display and said representation varies to approximate the view of said object as seen

from said golfer's line of sight and said integrated handheld computing device is adapted to selectively display said distance on said apparatus display.

Claim 146 (previously presented): The apparatus of claim 145 wherein said object is a green, a moveable cross hair is displayed on said apparatus display and the distance between said handheld apparatus and the apparent position of the cross of said crosshair relative to said green is computed and displayed.

Claim 147 (previously presented): The apparatus of claim 146 wherein said cross hair is displayed so that a portion thereof intersects the boundary of said displayed green at an intersection point and wherein the distance between said handheld apparatus and the apparent position of said intersection point relative to said green is computed and displayed.

Claim 148 (previously presented): The apparatus of claim 147 wherein said cross hair is displayed so that one or more portions thereof intersect the boundary of said displayed green at two intersection points and wherein the distance between said handheld apparatus and the apparent position of each of said two intersection points relative to said green are computed and displayed.

Claims 149-151 (cancelled)

Claim 152 (new): An integrated handheld apparatus for measuring and displaying distances between a golfer and an object on a golf course comprising:

- a computing device;

- a GPS device connected to said computing device;

- an apparatus display connected to said computing device;

- said GPS device adapted to produce measured location information corresponding to a location of said GPS device independent of golf course infrastructure;

means, within said handheld apparatus, for determining a distance, independent of said golf course infrastructure, between said GPS device and said object by using said measured location information and previously stored information concerning the location of said object; and

means for determining an accuracy potential percentage of said distance;

wherein said integrated handheld computing device is adapted to selectively display said distance on said apparatus display.

Claim 153 (new): An integrated handheld apparatus for measuring and displaying distances between a golfer and an object on a golf course comprising:

a computing device;

a GPS device connected to said computing device;

an apparatus display connected to said computing device;

said GPS device adapted to produce measured location information corresponding to a location of said GPS device independent of golf course infrastructure;

means, within said handheld apparatus, for determining a distance, independent of said golf course infrastructure, between said GPS device and said object by using said measured location information and previously stored information concerning the location of said object; and

means for displaying pace of play of a golfer relative to a predetermined normal pace of play

wherein said integrated handheld computing device is adapted to selectively display said distance on said apparatus display.

Claim 154 (new): An integrated handheld apparatus for measuring and displaying distances between a golfer and an object on a golf course comprising:

a computing device;
a GPS device connected to said computing device;
an apparatus display connected to said computing device;
said GPS device adapted to produce measured location information corresponding to a location of said GPS device independent of golf course infrastructure;

means, within said handheld apparatus, for determining a distance, independent of said golf course infrastructure, between said GPS device and said object by using said measured location information and previously stored information concerning the location of said object;
and

wherein a representation of said object is displayed on said apparatus display and said representation varies to approximate the view of said object as seen from said golfer's line of sight and said integrated handheld computing device is adapted to selectively display said distance on said apparatus display.

Claim 155 (new): The apparatus of claim 154 wherein said object is a green, a moveable cross hair is displayed on said apparatus display and the distance between said handheld apparatus and the apparent position of the cross of said crosshair relative to said green is computed and displayed.

Claim 156 (new): The apparatus of claim 155 wherein said cross hair is displayed so that a portion thereof intersects the boundary of said displayed green at an intersection point and wherein the distance between said handheld apparatus and the apparent position of said intersection point relative to said green is computed and displayed.

Claim 157 (new): The apparatus of claim 156 wherein said cross hair is displayed so that one or more portions thereof intersect the boundary of said displayed green at two intersection

points and wherein the distance between said handheld apparatus and the apparent position of each of said two intersection points relative to said green are computed and displayed.